

ABSTRACT OF THE DISCLOSURE

A method is disclosed for embedding auxiliary data in a signal. The data is encoded into the relative position or phase of one or more basic watermark patterns. This allows multi-bit data to be embedded by using only one or a few distinct watermark patterns.

1. A method for embedding auxiliary data in a signal, the method comprising:
a. encoding the auxiliary data into a relative position or phase of one or more basic watermark patterns;
b. embedding the encoded auxiliary data into the signal using the one or more basic watermark patterns.